

Water-cleaning ceramic ring and its production method**Publication number:** CN1405122**Publication date:** 2003-03-26**Inventor:** ZHANG YANQING (CN)**Applicant:** ZHANG YANQING (CN)**Classification:****- International:** C02F1/50; C02F1/58; C04B41/85; C02F1/50;
C02F1/58; C04B41/85; (IPC1-7): C04B41/85; C02F1/50;
C02F1/58**- European:****Application number:** CN20011030684 20010820**Priority number(s):** CN20011030684 20010820**Report a data error here****Abstract of CN1405122**

The water-cleaning ceramic ring of removing organic pollutant is characterized by that its external layer is covered with a layer of nano TiO₂ and ZnO composite photocatalytic material film or a layer of nano TiO₂ and ZnO and Ag(+) composite material film, and its preparation method includes the following steps: 1. mixing two nano powders of TiO₂ and ZnO according to the mixing ratio of 10:1, adding anhydrous ethyl alcohol and mixing them into paste material, diluting the paste material and making it into suspension; 2. placing the cleaned and dried ceramic ring into the suspension, having a dip in it and drying; and 3. making heat treatment at 1000 deg.c for 1 hr., taking out and natural cooling to obtain the invented water-cleaning ceramic ring which can be used for treating sewage, cleaning water quality, degrading organic matter in water and inhibiting and killing various bacteria.

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XP-002324165

AN - 2003-483253 [46]

AP - CN20010130684 20010820

CPY - ZHAN-I

DC - D15 L02

FS - CPI

IC - C02F1/50 ; C02F1/58 ; C04B41/85

IN - ZHANG Y

MC - D04-A01P D04-B10 L02-A04 L02-G L02-J02C

PA - (ZHAN-I) ZHANG Y

PN - CN1405122 A 20030326 DW200346 C04B41/85 000pp

PR - CN20010130684 20010820

XA - C2003-129405

XIC - C02F-001/50 ; C02F-001/58 ; C04B-041/85

AB - CN1405122 NOVELTY - The water-cleaning ceramic ring for removing organic pollutant has an external layer covered with a layer of nano TiO₂ and ZnO composite photocatalytic material film or a layer of nano TiO₂ and ZnO and Ag(+) composite material film. Its preparation includes: 1. mixing two nano powders of TiO₂ and ZnO according to the mixing ratio of 10:1, adding anhydrous ethyl alcohol and mixing into paste material, diluting the paste material and making it into suspension; 2. placing the cleaned and dried ceramic ring into the suspension, having a dip in it and drying; and 3. heat treating at 1000 degrees C for 1 hr., taking out and natural cooling to obtain the water-cleaning ceramic ring.

- USE - Used for treating sewage, cleaning water, degrading organic matter in water and inhibiting and killing various bacteria.

- (Dwg.0/0)

IW - WATER CLEAN CERAMIC RING PRODUCE

IKW - WATER CLEAN CERAMIC RING PRODUCE

INW - ZHANG Y

NC - 001

OPD - 2001-08-20

ORD - 2003-03-26

PAW - (ZHAN-I) ZHANG Y

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